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Indexer
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MINERALOGICAL ABSTRACTS

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ORGANIZATION OF ABSTRACTS

Arising from a decision taken at the meeting of the INTERNATIONAL MINERALOGICAL ASSOCIATION in Copenhagen in 1961 the Mineralogical Societies of America and Great Britain agreed to issue a joint statement to National Societies adhering to the Association inviting each Society to organize contributions of abstracts of papers published in the journals of its country on subjects relevant to *Mineralogical Abstracts*. This invitation was issued and has brought a gratifying response. Members of Societies which have agreed to co-operate in this way are entitled to receive *Mineralogical Abstracts* for their personal use at a reduced rate of subscription on application, *which must be made through their National Society*. The countries now co-operating include: AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CZECHOSLOVAKIA, DENMARK, FINLAND, FRANCE, GERMANY, INDIA, ISRAEL, ITALY, JAPAN, NETHERLANDS, NEW ZEALAND, NORWAY, PAKISTAN, PORTUGAL, SOUTH AFRICA, SPAIN, SWEDEN, SWITZERLAND.

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ERRATA

Mineralogical Abstracts, Vol. 34

83M/0060, text line 4: for 5A read 5Å
83M/0040, text line 3: for iron read iron-rich
83M/0178, for lithophorite read lithiophorite
83M/1089, Title: for *Rock* read *Rocks*
83M/1266, Title: for on read in
83M/1389, Author: for E-An read E-an
83M/1637, Author: for Ye E9x. read Ye E.
83M/1670, text line 3: for suduction read subduction.
83M/2193, text line 2: for metals read melts
83M/2294, for Marland read Martland
83M/3039, for Q2 read Q
83M/3826, text line 5: after gave insert $Wo_{43.7}En_{45.3}Fs_{11.0}$
83M/4893, text line 4: for Murrey read Murray
83M/4932, text line 3: for mulecule read molecule
83M/5299, text line 6: for δSmO_2 read δMnO_2

ABBREVIATIONS AND SYMBOLS

M.M. .. Mineralogical Magazine : M.A. .. Mineralogical Abstracts : A.M. .. American Mineralogist

CHEMICAL & PHYSICAL

CHEMICAL

atomic absorption spectroscopy	AAS
cation-exchange capacity	c.e.c.
chemical analysis	chem. anal.
concentrated	conc.
differential thermal analysis	DTA
dilute	dil.
disintegrations per minute	d.p.m.
equivalent U_3O_8	eU_3O_8
ethylenediaminetetra-acetic acid	EDTA
heat of formation (absolute temperature subscript)	ΔHf
hydrogen ion conc. acidity	pH
insoluble residue	insol. res
isotopes, e.g.	^{40}Ar, ^{40}K
loss on ignition	ign. loss
milliequivalent	me.
microgramme	μg
million-years	m.y.
neutron activation analysis	NAA
not determined	n.d.
not found	nt. fd.
not present	nil
parts per million	p.p.m.
rare earths	*TR* or *RE*
standard mean ocean water	SMOW
strength of solution, normal	*N*
———molar	*M*
substances in ionic state	
anions, e.g.	Cl^-, SO_4^{2-}
cations, e.g.	K^+, Fe^{3+}
thermogravimetric analysis	TGA
trace	tr.
X-ray powder diffraction	XRD
X-ray fluorescence analysis	XRF

CRYSTALLOGRAPHIC & STRUCTURAL

Ångstrom unit (10^{-8} cm)	Å
crystal axes	*a, b, c*
—face indices	(hkl)
—form indices	{hkl}
—zone indices	[hkl]
indices of X-ray diffractions	hkl
intensity	*I*
—relative	I/I_0
interplanar spacing	*d*
mica structural polymorphs	$1M_1$, $2M_1$
Siegbahn units	kX
space group. These words are written in full	
unit cell, formula units	*Z*
———repeat distances	*a, b, c*
——reciprocal lattice lengths of edges	a^*, b^*, c^*
——interaxial angles direct lattice	α, β, γ
————reciprocal lattice	$\alpha^*, \beta^*, \gamma^*$

OPTICAL

dispersion, e.g.	$r > v$
transmission electron microscopy	EM
extinction angle, e.g.	$\gamma : c$
infrared	IR
optic axial angle	2V
——plane	O.A.P.
refractive index, in text	refr. ind.
——of isotropic mineral	*n*
refractive indices	
of uniaxial mineral	ω, ϵ
of biaxial mineral	α, β, γ
scanning electron microscopy	SEM
sign of biaxiality	
negative	$2V_\alpha$ or −
positive	$2V_\gamma$ or +
ultraviolet	UV

PHYSICAL

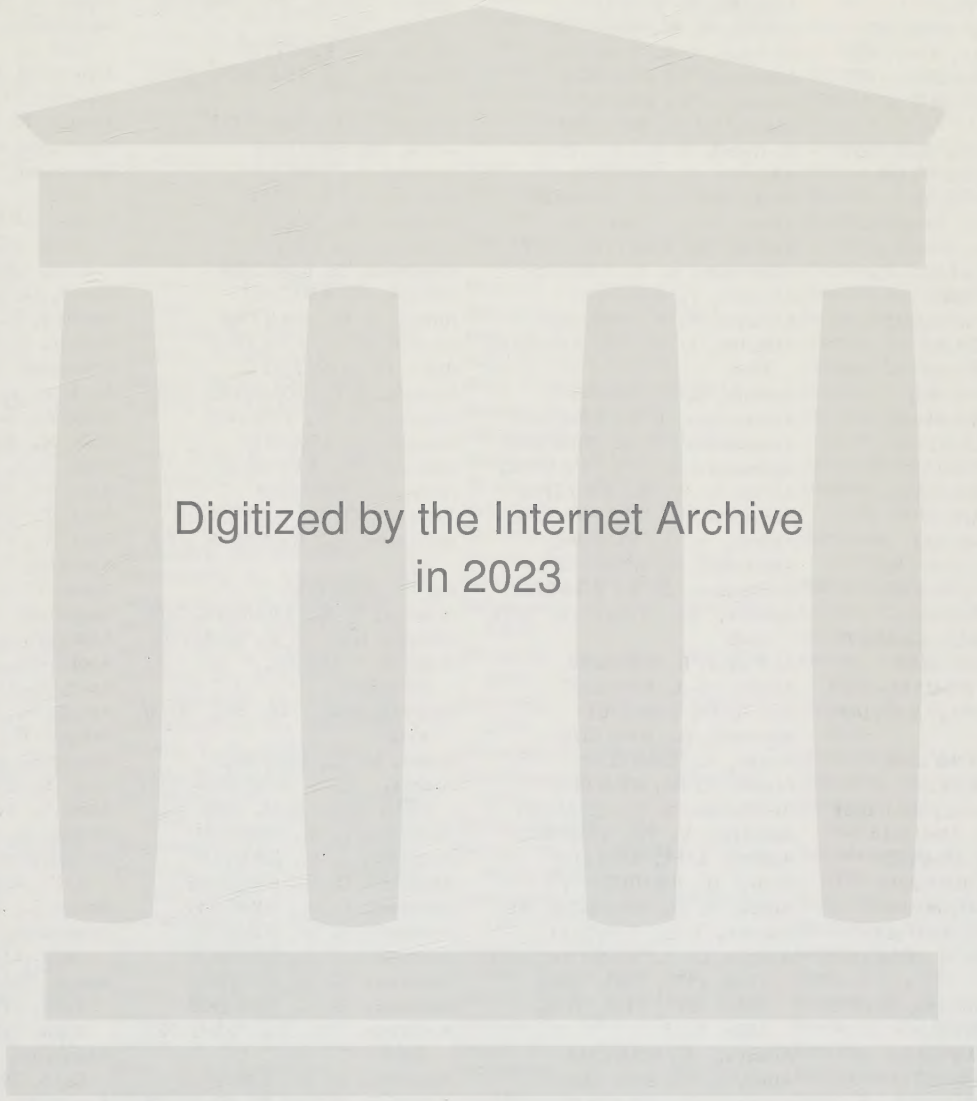
calculated	calc.
calorie	cal.
calorie, large	kcal.
cycles per second	c/s
degree centigrade	°C
density	*D* (quote units)
—, relative, e.g.	D_4^{20}
electron paramagnetic resonance	e.p.r.
gramme	g
hardness	H.
kilobar (10^8 Pa)	kbar
melting-point	m.p.
micron (10^{-4} cm)	μm
nanometre (10^{-7} cm)	nm
natural remanent magnetization	n.r.m.
pounds per square inch	$lb/in.^2$
pressure	*P*
soluble	sol.
specific gravity, terms of reference not known	sp. gr.
temperature	*T*
Vickers hardness number	VHN
wavelength	λ

SYMBOLS

approximately equal to	~
equal to	=
equal to or greater than	⩾
equal to or less than	⩽
greater than	>
less than	<
not equal to	≠
parallel to	∥
per cent	%
per mile	‰
perpendicular to	⊥
proportional to	∝

ABBREVIATIONS USED IN REFERENCE TO PUBLICATIONS

Abhdl.	Abhandlungen
Abstr.	Abstract, -s
Abt.	Abteilung
Acad, Accad., Akad.	Academy, & *equiv.*
Adv.	Advancement
Agric.	Agricultur-al, -e
Anal.	Analy-st, -tical, &c.
Ann., An.	Annals, Anales, & *equiv.*
Anorg.	Anorganisch
Appl.	Applied
Arch.	Archives
Asoc., Assoc.	Association, & *eqiv.*
Astron.	Astronomical
Bd.	Band
Beitr.	Beiträge
Ber.	Bericht-e
Berg.	Bergwesen
Bol., Boll., Bull.	Bulletin, & *equiv.*
B.R.G.M.	Bur. Rech. Géol. Minières, France
Bur.	Bureau
Ceram.	Ceramic, & *equiv.*
Chem., Chim.	Chemi-cal, -stry, & *equiv.*
Cien.	Ciencia, -s
Circ.	Circular
Cl.	Classe
Com.	Comisión
Comm.	Commission
Conf.	Conference, & *equiv.*
Congr.	Congres, & *equiv.*
Contr.	Contributions
C.R.	Comptes Rendus
Crist., Cryst.	Crystallograph-ical, -y & *equiv.*
Dept.	Department, & *equiv.*
Diss.	Dissertation
Divn.	Division
Dokl.	Doklady = C.R.
D.S.D.P.	Deep-Sea Drilling Programme
Econ.	Economic
Educ.	Education
Eng.	Engineering
Exped.	Expedition
Exper.	Experimental
Expl.	Exploration
Fac.	Faculty
Fig(s).	Figure(s)
Fis.	Fisicale, fisico
Fören.	Föreningen
Förh.	Förhandlinger
Fortsch.	Fortschritt, -e
Gen.	General
Geochem., chim.	Geochemi-cal, -stry, &c.
Geogr.	Geograph-y, ical, &c.
Geol., géol.	Geolog-y, ical, -ist, & *equiv.*
Geophys., geofis.	Geophysic-al, -s, &c.
Gesell.	Gesellschaft
Govt.	Government
Hdbh.	Handbuch
Illustr.	Illustrat-ed, -ions
Imp.	Imperial
Industr.	Industr-ial, -y
Inform.	Information
Inst.	Institute, institution, & *equiv.*
Instr.	Instruments
Int.	Interior
Intern.	International
Invest.	Investigations
Issl.	Issledovaniye = investigation
Ist.	Istituto
Izd.	Izdanie = publication
Izvest.	Izvestiya
Jahrb.	Jahrbuch
Jahresb.	Jahresbericht
Jorn., Journ.	Journal, & *equiv.*
Khim.	Khim-ie, &c.
Kl.	Klasse
Krist.	Kristallographie, &c.
Lab.	Laboratory
Lit.	Literary
Mag.	Magazine
Mat., Math.	Mathematical, & *equiv.*
Medd.	Meddelelser
Mem., Mém.	Memoir, -s, & *equiv.*
Metall.	Metallurg-ical, -y
Min.	Mineralog-ical, -ist, -y
Misc.	Miscellaneous
Mitt.	Mitteilungen
Mh.	Monatsheft
Mus., Muz.	Museum, & *equiv.*
Nac., Nat., Naz.	National, & *equiv.*
Natur.	Natur-al, -alist, & *equiv.*
Natur-w, -v.	Naturwissenschaft, & *equiv.*
Obraz.	Obrazovanie = education
Obshch.	Obshchestva = society
Petr.	Petrolog-ical, -y, & *equiv.*
Petrol.	Petroleum
Phil.	Philosophical, &c.
Photos.	Photographs
Photomicros.	Photomicrographs
Phys.	Physic-al, -s, & *equiv.*
Pl(s).	Plate(s)
Polytech.	Polytechnic, & *equiv.*
Pract., Prakt.	Practical, & *equiv.*
Proc.	Proceedings
Prof.	Professional
Prosp.	Prospecting
Publ.	Publication(s), published
Razv.	Razvedka = survey
Rec.	Records
Ref.	References, referata
Rend.	Rendiconti
Repb.	Republic
Rept.	Report(s)
Res.	Research
Reserv.	Reserves
Resrcs.	Resources
Rdsch.	Rundschau
Rev.	Review
Roy.	Royal, & *equiv.*
Sborn.	Sbornik = magazine
Sch.	School, Schule
Sci.	Science
Sect.	Section
Sedim.	Sedimentary
Ser., sér.	Series, & *equiv.*
Serv.	Service
Sitzb.	Sitzungsbericht
Skr.	Skrift, -en -er
Soc.	Society, & *equiv.*
Sondbd.	Sonderband
Spec., Spez.	Special, & *equiv.*
Stand.	Standard(s)
Stn.	Station
Suppl.	Supplement
Surv.	Survey, -or
Symp.	Symposium
Tab(s).	Table(s), tabellen
Techn.	Technologi-cal, -y
Tids(s)kr.	Tid(s)krift, -en
Tijdschr.	Tijdschrift
Trab.	Trabajos
Trans.	Transactions
Transl.	Translat-ed, -ion
U.A.R.	United Arab Republic
Uch.	Uchennye = learned
Ucheb.	Uchebnyi = teaching
Unders.	Undersögelse, undersöknir
Univ.	University, & *equiv.*
Verhdl.	Verhandlungen
Vidensk.	Videnskaps
Volc., Vulk.	Volcanolog-ical, -y &c.
Vses.	Vsesoyuznyi = All-Union
Vyssh.	Vysshikh = higher
Wiss.	Wissenschaft
Zap.	Zapiski = memoirs
Zav.	Zavodskaya = factory
Zaved.	Zavedenii = institution
Zeits.	Zeitschrift
Zhurn.	Zhurnal = journal
Ztg.	Zeitung



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